

## CLAIMS:

1. A polyimide compound crosslinked with polyamine which is soluble in the solvent containing aprotic polar organic solvent.  
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2. The polyimide compound according to claim 1, wherein said polyimide compound is soluble in said solvent containing the aprotic polar organic solvent in a concentration of 5% by mass or more at 25°C.  
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3. The polyimide compound according to claims 1 or 2, wherein said polyimide compound is succinimide polymer.
- 15 4. The polyimide compound according to any one of claims 1 to 3, wherein said aprotic polar organic solvent is a solvent containing N,N-dimethylformamide and/or sulfolane.
- 20 5. The polyimide compound according to any one of claims 1 to 4, wherein said polyamine is lysine or ornithine.
6. The polyimide compound according to claim 1, wherein said polyimide compound is obtained by  
25 dehydration and condensation of amino acid or salt thereof in the presence of polyamine and protonic acid

in the solvent containing aprotic polar organic solvent.

7. The polyimide compound according to claim 6,  
wherein said aprotic polar organic solvent is a solvent  
5 containing N,N-dimethylformamide and/or sulfolane.

8. The polyimide compound according to claim 6 or  
claim 7, wherein said protonic acid is hydrochloric acid.

10 9. The polyimide compound according to any one of the  
claims 6 to 8, wherein said polyimide compound is  
succinimide polymer.

10. The polyimide compound according to any one of  
15 claims 6 to 9, characterized in that 0.05 to 10 mol% of  
said polyamine is used with respect to the amount of  
said amino acid or salt thereof.

11. The polyimide compound according to any one of  
20 claims 6 to 10, wherein said polyamine is a lysine or an  
ornithine.

12. A solution containing a polyimide compound  
according to any one of claims 1 to 11.

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13. A cosmetic containing a polyamino acid polymer  
derived from polyimide compound according to any one of

claims 1 to 11.

14. An external preparation containing a polyamino acid  
polymer derived from the polyimide compound according to  
5 any one of claims 1 to 11.